WHAT IS CLAIMED IS:

1. A control valve of a faucet, comprising:

a base having an inside formed with a water outlet;

a lower ceramic block mounted on the base and having an inside formed with a conducting channel, a cold water inlet and a hot water inlet;

an upper ceramic block mounted on the lower ceramic block and having an inside formed with a conducting opening;

a coupling block mounted on the upper ceramic block;

a bottom bushing mounted on the coupling block;

an inner barrel mounted on the bottom bushing and having an inner wall formed with a through hole;

a housing mounted on the base and enclosed around the inner barrel; and

a control shaft mounted in the inner barrel and having an upper end protruding outward from the through hole of the inner barrel, wherein:

the control shaft has a lower end formed with a drive member rested on the inner wall of the inner barrel; and

the drive member of the control shaft has a peripheral wall formed with a plurality of flattened faces.

2. The control valve in accordance with claim 1, wherein the drive member of the control shaft has a spherical shape.

3. The control valve in accordance with claim 1, wherein the flattened faces of the drive member of the control shaft are equally spaced from each other.

4. The control valve in accordance with claim 1, wherein the flattened faces of the drive member of the control shaft are arranged in a staggered manner.

5. The control valve in accordance with claim 1, further comprising a positioning pin having a first end inserted into either one of the flattened faces of the drive member of the control shaft and a second end inserted into the inner wall of the inner barrel to secure the drive member of the control shaft in the inner barrel.

6. The control valve in accordance with claim 5, wherein either one of the flattened faces of the drive member of the control shaft is formed with a positioning hole, and the first end of the positioning pin is inserted into the positioning hole.

7. The control valve in accordance with claim 5, wherein the inner wall of the inner barrel is formed with a positioning recess, and the second end of the positioning pin is inserted into the positioning recess.